



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
PO038332	TWM001-VU	1	1	Net 30	M4130NT0.750W.049	4130 Round Tube .750 X.049W : MATERIAL: AISI 4130N STEEL TUBING AS PER MIL-T-6736 OR AMS 6371/6360/6361/6362 6373/6374 receive ft				100	11/20/2017	96		S010523	Stock	11/16/2017	\$ 6.00 / ft	0		\$574.01	TW Metals
		2			M304P0.675W.091	304/316 Pipe .675 OD x .091 Wall Thickness : MATERIAL: TP304/TP316 STAINLESS STEEL SEAMLESS PIPE AS PER ASTM A312/ASME SA312 receive ft				20		24		S010812	Stock	11/16/2017	\$ 5.00 / ft	0		\$118.34	TW Metals
Total:										120		119								\$692.34	

Plex 11/16/2017 3:55 PM Dart.Plouffe.Sonia

Status: Receiving

Part: **M304P0.675W.09**

Created: 11/16/17 3:54 PM DART.PLOUFFE.S



Serial No: **S010812**



O'Neal High-Performance Metals Group



**Packing
Slip**

ORDER NO.: 80893610

FROM: CHIC

PAGE 1

CUST NUMBER: 1203820 NET WGT: 13.558 REQ.DATE: 11/17/17 CONFIRMED
SOLD TO:
DART AEROSPACE LTD SHIP TO:
1270 ABERDEEN ST DART AEROSPACE LTD
HAWKESBURY ON 1270 ABERDEEN ST
CANADA CN K6A 1K7 ONTARIO CANADA CN K6A 1K7

SALESPERSON: DONNA SMALLEY SHIP BY: 11/13/17
TERMS: NET 30 DAYS VIA: COMMON CARRIER
F.O.B.: SHIPPING POINT FREIGHT: PREPAID
CUST ORD NO.: PO038332 IT 2 RELEASE NO.:
RECEIVING PHONE:

LINE	ITEM DESCRIPTION	WIDTH	LENGTH
0001 38420	SMLS 304/L A-312 3/8 SCH 40 ✓		17/24 FT

CLN#	ORD QTY	INVOICE QTY	SHIPPED QTY	WT	PCS
	20.000 FT	23.667 FT	23.667 FT	13.558	1

** 1 TEST REPORTS REQUIRED **
** 1 CERTS REQUIRED **

ECCN: 2B999.g Export License: NLR Expiration Date: 0/00/00
PO:49365461 HT:11H222 PC: 1 CUSTOMER QTY: UOM
MLT:CHINA MFG:CHINA SLB/CL:LRZM39

BROKERS KUEHNE AND NAGEL LTD

-----		PACK INFO		-----	
AREA	TYPE OF PKG	PKGS	GRS WEIGHT	WIDTH	LENGTH HGHT
YRC	CRTN STRAP TO BOARD	1.000	29.000		24.1670
		1.000	29.000		

BY: LM
RT 000-

UNLOAD TYPE: NONE SPECIFIED

SEP 11-16

DATE SHIPPED _____

DATE FILLED _____

THANK YOU FOR THIS ORDER

TERMS AND CONDITIONS APPLICABLE TO THE SALE OF THESE
PRODUCTS ARE SET FORTH ON OUR WEBSITE FOR YOUR CAREFUL
REVIEW.
<http://www.twmetals.com/invoice-terms.html>



O'Neal High-Performance Metals Group



Packing
Slip

ORDER NO.: 80893610

FROM: CHIC

PAGE 2

CUST NUMBER: 1203820 NET WGT: 13.558 REQ.DATE: 11/17/17 CONFIRMED
SOLD TO: SHIP TO:
DART AEROSPACE LTD DART AEROSPACE LTD
1270 ABERDEEN ST 1270 ABERDEEN ST
HAWKESBURY ON HAWKESBURY ON
CANADA CN K6A 1K7 ONTARIO CANADA CN K6A 1K7
SALESPERSON: DONNA SMALLEY SHIP BY: 11/13/17
TERMS: NET 30 DAYS 235 TUBEWAY
F.O.B.: SHIPPING POINT CAROL STREAM IL 60188
CUST ORD NO.: PO038332 IT 2
VIA: COMMON CARRIER
FREIGHT: PREPAID
RELEASE NO.:
RECEIVING PHONE:

"TW Metals MSDS data is available on our web site at www.twmetals.com. MSDS data can be found under the Technical Resources Tab, Product Statistics & Data and the TW Metals MSDS's heading. If you do not have web site access you may telephone 610-458-1300 and we will mail or fax a copy of our current MSDS data to your location."

"CERTIFICATE OF CONFORMANCE"

"TW Metals certifies that the material supplied on this purchase order and contained in the heat/lot number referenced above has been manufactured, inspected, and tested in accordance with the material specification. These records are on file at TW Metals. Packaging material for shipments to Europe and China consists of manufactured wood products and complies with the European emergency measures for coniferous non-manufactured wood packing material"

Authorized Test Report Clerk

Luziraida Matos

Date: 11/13/17

These commodities have been exported from the United States in accordance with the U.S. export control laws, export administrations regulations. Diversion contrary to U.S. law prohibited.

1
THANK YOU FOR THIS ORDER

TERMS AND CONDITIONS APPLICABLE TO THE SALE OF THESE PRODUCTS ARE SET FORTH ON OUR WEBSITE FOR YOUR CAREFUL REVIEW.
<http://www.twmetals.com/invoice-terms.html>

PO#m49365461 AG 21/01/17

MILL INSPECTION CERTIFICATE

EN 10204 3.1

CHANGSHU WALSHIN SPECIALTY STEEL CO.,LTD.

CUSTOMER:	TACHEN STAINLESS PIPE CO.,LTD.	HEAT NO.:	11H222
DATE:	2015/08/04	SPECIFICATION:	ASTM A312/A312M/A312-13/SA 312-13/SA 312-13
COMMODITY:	STAINLESS STEEL SEAMLESS PIPES	CERTIFICATE NO.:	2015080425010025
DELIVERY CONDITION:	COLD FINISHED SOLUTION ANNEALED AND PICKLED	GRADE:	TP304/304L

CHEMICAL COMPOSITION (WT%)													
RELEVENTS	C	Si	Mn	P	S	Ni	Cr	Mo	N	Cu	Ti	Nb	Fe
min	0.000	0.000	0.000	0.000	0.000	8.000	18.000						
max	0.035	0.150	2.000	0.045	0.030	11.000	20.000						
RESULTS	0.024	0.070	0.500	0.033	0.001	8.060	18.100						

SIZE	PACKAGE NO.	PIECES	WEIGHT		TS	YS		EL (50mm)	HARDNESS	FLATNESS TEST	FLARING TEST	I.C. TEST	PITTING CORROSION (mg/dm ² /day)	GRAIN SIZE	Lol No.	HYDROSTAT IC TEST MPa	EDDY CURRENT TEST	ULTRASONIC TEST
			FT	(kg)		0.2% MPa	1% MPa											
38*405*606*7315	T429-73	101	2372.57	596	580/580	253/253	67.5/64		75/75	ACCEPTABLE		ACCEPTABLE			201505-1G-F27		ACCEPTABLE	

TOTAL:	101	2372.57	596
REMARK:	<p>AS PER ASTM A312/A312M/A312-13/SA 312-13/SA 312-13/SA 312-13</p> <p>NAME: 308073-2005 LENGTH: 20/24FT</p> <p>AS PER PROFORMA INVOICE NO.4151159-S</p> <p>I.C. TEST PER ASTM A312-13/SA 312-13/SA 312-13/SA 312-13</p> <p>NO REPAIR BY WELDING</p> <p>MATERIAL FREE FROM MERCURY CONTAMINATION</p> <p>COUNTRY OF ORIGIN: CHINA, COUNTRY OF MANUFACTURE: CHINA</p> <p>ET STANDARD PRACTICE: ASTM E166</p> <p>REFERENCE DISCONTINUITY: DRILLED HOLE</p> <p>WATER QUENCHED ANNEALING TEMPERATURE: 1060°C</p> <p>MATERIAL COMPLIANT WITH ROHS DIRECTIVE 2002/95/EC</p> <p>FREE OF FURAN</p>		
ACCEPTED BY	<p>TW METALS REPORT</p> <p>FEB 16 17</p> <p>ACCEPTED BY</p>		
QUALITY MANAGER	<p>Sam Bin</p>		

ADDRESS: 2# HAIYANG ROAD, HAIYU TOWN, CHANGSHU CITY, JIANGSU PROVINCE, CHINA 215519 TEL: (86) 512 52551516 / 52556280 FAX: (86) 512 52556287

WLCSP0724-06

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304PO.675W.091
 DATE: NOV 30 2017

PO / BATCH NO.: 038332/5010812

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 24'
 QUANTITY INSPECTED: 24'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .675
 THICKNESS RECEIVED: .675
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/>	N	Small Bend in midale Bar / acceptable PD.
CORRECT FINISH	<input checked="" type="checkbox"/>	N	
CORROSION	<input checked="" type="checkbox"/>	N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/>	N	Astm A312
CORRECT THICKNESS	<input checked="" type="checkbox"/>	N	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	N	Heat # 11H222
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>[Signature]</u> DAS DATE: <u>NOV 30 2017</u>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: TP304/TP316 STAINLESS STEEL SEAMLESS PIPE

SPECIFICATION:

ASTM A312 / ASME SA312

PART NUMBER:

M304PID.DDD|W|TTT
OD | WALL THICKNESS

WHERE "D.DDD" = OUTSIDE DIAMETER IN INCHES PER NPS DESIGNATION (REF TABLE 1)
AND "TTT" = WALL THICKNESS IN INCHES PER PIPE SCHEDULE (REF TABLE 1)

EG. 3/8 SCHEDULE 40 PIPE = M304PD.675W.091

TABLE 1: DIMENSIONS OF NPS PIPE (REF ANSI B36.10/19)

NPS Designation	Outside Diameter (in)	Pipe Schedule Wall Thickness (in)	
		SCHEDULE 40	SCHEDULE 80
1/8	0.405	0.068	0.095
1/4	0.540	0.088	0.119
3/8	0.675	0.091	0.126
1/2	0.840	0.109	0.147
3/4	1.060	0.113	0.154
1	1.315	0.133	0.179
1-1/4	1.660	0.140	0.191
1-1/2	1.900	0.145	0.200
2	2.375	0.154	0.218
2-1/2	2.875	0.203	0.276
3	3.500	0.216	0.300
3-1/2	4.000	0.226	0.318
4	4.500	0.237	0.337

RELEASED

2017 JUN 19
SCN 17-590

APPROVED

A	REV.	NEW ISSUE	DESCRIPTION	CP	BY	DATE
DESIGN	DRAWN	CP	DART AEROSPACE LTD	CP		17.02.24
CHECKED	CP	ML	HAWKESBURY, ONTARIO, CANADA	CP		
MFG. APPR.	DD	DD	DRAWING NO.	DD		REV. A
APPROVED	WM	WM	M304P	WM		SHEET 1 OF 1
DE APPR.	CP	CP	TITLE	CP		SCALE
DATE	17.02.24	17.02.24	304/316 PIPE	CP		NTS

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DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO038332

Supplier: TWM001-VU
TW Metals
PO Box 933014
Atlanta, GA 31193-3014 USA
Phone: 585 768 5600
Fax: 585 768 5601

PO No: PO038332
PO Date: 11/10/17
Due Date: 11/20/17
Purchase Order
Revision:
Revision Date:
Ship-To Contact: Phone:

E-MAILED
NOV 10 2017

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments:

Items

Line Item	Part	Rev	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	M4130NT0.750W.049		4130 Round Tube .750 X .049W : MATERIAL: AISI 4130N STEEL TUBING AS PER MIL-T-6736 OR AMS 6371/6360/6361/6362 6373/6374 receive ft		Firmed	11/20/17	100 ft		100 ft	\$6.00/ft	\$600.00
2	M304P0.675W.091		304/316 Pipe .675 OD x .091 Wall Thickness : MATERIAL: TP304/TP316 STAINLESS STEEL SEAMLESS PIPE AS PER ASTM A312/ASME SA312 receive ft		Firmed	11/20/17	20 ft	0 ft	20 ft	\$5.00/ft	\$100.00

recu 95.668 ft 574
SPR 11-16
recu 23.667
SPR 11-16

Grand Total: \$700.00

Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 11/10/17 1:56 PM dart.lavoie.chantal